

## Claims

1. A drilling device for frameless glasses with a drill head (34), which can be moved up and down, wherein the drill head (34) can be inclined to either side and a holding device (50, 56, 58) is provided for the two lenses of a pair of glasses, in which holding device the opposite edge regions of the lenses are accessible to the drill bit of the drill head (34).
2. The drilling device of claim 1, wherein the drilling device comprises a base plate (10), on which a cross slide (12) is disposed and a guide (30), which rises up and can be swiveled about a horizontal axis and at which the drill head (34) can be moved up and down, is mounted at the base plate (10).
3. The drilling device of claim 2, wherein adjustable stops (42, 44, 46) for limiting the lateral swiveling of the guide (30) are provided at the base plate (10).
4. The drilling device of claim 3, wherein stops (42, 44, 46) are provided at a plate (28), rising up in front of the guide (30).
5. The drilling device of one of the preceding claims, wherein a detachable holding plate (50), which forms the holding device for the two lenses, is disposed on the cross slide (12).
6. The drilling device of one of the preceding claims, wherein the cross slide (12) comprises a bottom longitudinal slide (14) and a top transverse slide (16) and the slides (14, 16) can be moved with the help of spindle gearings (18, 20).
7. The drilling device of claim 6, wherein at least the displacement of the transverse slide (16) can be read on a scale (76).

8. The drilling device of one of the preceding claims, wherein the holding device comprises two clamping straps (56, 58), which overlap the lenses elastically and press the lenses against a support (54) having high friction, especially one of soft PVC.

9. The drilling device of claim 8, wherein the clamping straps (56, 58) take hold of the lenses in each case with a cushion (60, 62) of soft material, especially of moos rubber.

10. The drilling device of one of the claims 2 to 9, wherein the cross slide (12) can be inclined in the forwards-backwards direction about a horizontal axis.